CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/608g/Cube/2018-19 05.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. R. Shivaram,** No.4/13, Avalamam Choultry Layout, Magadi Road, Bangalore – 25.
* Name of the work	:	Improvements to roads & drains at Shettyhalli old village in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Bed Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	05.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2018	05.05.2018	8.109	475.9	21.15
2	07.04.2018	05.05.2018	8.229	492.5	21.89
3	07.04.2018	05.05.2018	8.357	508.2	22.59

*Information is furnished by the Customer/Representative.

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VIDYARANI P.K.
Technical Manager

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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T-2377

Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/608g/Cube/2018-19 07.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. R. Shivaram,** No.4/13, Avalamam Choultry Layout, Magadi Road, Bangalore – 25.
* Name of the work	:	Improvements to roads & drains at Shettyhalli old village in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	07.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.04.2018	07.05.2018	8.115	498.9	22.17
2	09.04.2018	07.05.2018	8.283	513.4	22.82
3	09.04.2018	07.05.2018	8.335	522.8	23.24

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07.05.2018

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* Reference	:	EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	07.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.04.2018	07.05.2018	8.258	474.5	21.09
2	09.04.2018	07.05.2018	8.392	505.8	22.48
3	09.04.2018	07.05.2018	8.415	516.4	22.95

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* Reference	:	EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	10.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2018	10.05.2018	8.097	478.5	21.27
2	12.04.2018	10.05.2018	8.190	485.6	21.58
3	12.04.2018	10.05.2018	8.237	507.8	22.57

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* Reference	: EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	: RCC Drain Side Wall Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 10.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2018	10.05.2018	8.199	493.5	21.93
2	12.04.2018	10.05.2018	8.224	515.6	22.92
3	12.04.2018	10.05.2018	8.336	522.7	23.23

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Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/608g/Cube/2018-19 12.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. R. Shivaram,** No.4/13, Avalamam Choultry Layout, Magadi Road, Bangalore – 25.
* Name of the work	:	Improvements to roads & drains at Shettyhalli old village in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Culvert Bottom Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	12.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.04.2018	12.05.2018	8.137	475.5	21.13
2	14.04.2018	12.05.2018	8.205	515.3	22.90
3	14.04.2018	12.05.2018	8.360	523.4	23.26

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Job No: CTCE/BBMP/RS/W.No.12/CSR-03/608g/Cube/2018-19 15.05.2018

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* Name of the work	: Improvements to roads & drains at Shettyhalli old village in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	: RCC Culvert Side Wall Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 15.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.04.2018	15.05.2018	8.199	483.5	21.49
2	17.04.2018	15.05.2018	8.269	518.5	23.04
3	17.04.2018	15.05.2018	8.385	509.3	22.64

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Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/608g/Cube/2018-19 18.05.2018

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* Name of the work	:	Improvements to roads & drains at Shettyhalli old village in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/286/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Culvert Deck Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2018	18.05.2018	8.137	490.8	21.81
2	20.04.2018	18.05.2018	8.210	506.5	22.51
3	20.04.2018	18.05.2018	8.360	513.2	22.81

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